



501.38451CC2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: K. TAKIKAWA et al  
Serial No. 10/631,793  
Filed: August 1, 2003  
For: SEMICONDUCTOR INTEGRATED CIRCUIT  
Art Unit: 2811  
Examiner: T. DICKEY

**INFORMATION DISCLOSURE STATEMENT**

Commissioner For Patents  
POB 1450  
Alexandria, VA 22313-1450

January 15, 2004

Sir:

In the matter of the above-identified application, applicants, through their undersigned representative, are submitting herewith a copy of a European Search Report with regard to a counterpart foreign (European) application along with copies and a listing therefor, in a form equivalent to form PTO-1449, of the cited art documents for the USPTO's consideration, in keeping with the duty of disclosure/candor requirements. (A copy of the European Search Report is enclosed herewith.)

This Information Disclosure Statement (IDS) is being submitted, insofar as known, prior to the mailing of a First Action on the merits. Accordingly, this IDS is in

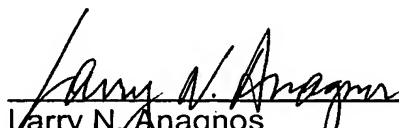
compliance with the time limits set forth in 37 C.F.R. §1.97(b)(3).

It is noted that the European Search Report as well as the cited art documents therein are in the English language.

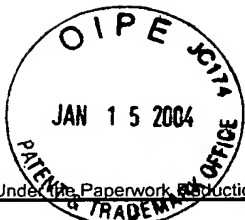
It is submitted, this IDS is in compliance with the rules of practice as well as with USPTO guidelines; therefore, applicants respectfully request that it be entered and duly considered by the USPTO. Also, acknowledgement of such entry as well as of formal consideration thereof by the Examiner is respectfully requested, furthermore.

If any costs are due in accordance with the filing of this Information Disclosure Statement, please charge the same to the account of Antonelli, Terry, Stout & Kraus, LLP, Account No. 01-2135 (501.38451CC2).

Respectfully submitted,  
**ANTONELLI, TERRY, STOUT & KRAUS, LLP**

  
Larry N. Anagnos  
Registration No. 32,392

LNA/dks  
(703-312-6600)



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(file as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/631,793
		Filing Date	August 1, 2003
		First Named Inventor	TAKIKAWA, KUMIKO
		Art Unit	2811
		Examiner Name	T. DICKEY
Sheet 1 of 2	Attorney Docket Number	501.38451CC2	

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
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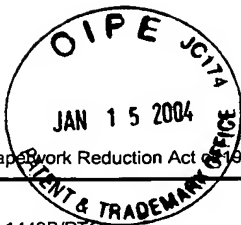
FOREIGN PATENT DOCUMENTS						
Examiner Initials'	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> –Number <sup>4</sup> –Kind Code <sup>5</sup> (if known)				
		EP 0823790 A2 and A3	02-01-2003	Nokia Corporation		
		WO 95/02277	19-01-1995	Wireless Access, Inc.		
		EP 0886384 A2	23-12-1998	Lucent Technologies, Inc.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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			Application Number	10/631,793	
			Filing Date	August 1, 2003	
			First Named Inventor	TAKIKAWA, KUMIKO	
			Art Unit	2811	
Examiner Name	T. DICKEY				
Sheet	2	of	2	Attorney Docket Number	501.38451CC2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SHIN, Y.I.S., "MAINTAIN SIGNAL INTEGRITY AT HIGH DIGITAL SPEEDS", Electronic Design, 14 May 1992, Penton Publishing, Cleveland, OH [USA], Vol. 40, No. 10, ppgs. 77-78, 80, 82, 84, 86, 88, 89 and 91.	
		TURINSKY, G., "CHIPTRAEGER FÜR HOCHGESCHWINDIGKEITS-IS", Veb Verlag Technik, Berlin, DE, Vol. 41, No. 1., 1992, ppgs. 25-26, [Germany]	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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